IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) An information processing apparatus, comprising:

an extractor ~~operable~~ <u>configured</u> to extract main information including copy control information and <u>to extract</u> auxiliary information representing attributes of said main information from input information;

a generator ~~operable~~<u>configured</u> to generate copy permission information based on said extracted auxiliary information ~~if an apparatus that recorded said main information did not recognize and process said copy control information~~; and

~~an adder operable to add said copy permission information generated by said generation to said main information extracted by said extractor~~<u>a recorder configured to record the main information, and to record the copy permission information generated by the generator in at least one header adjacent to a corresponding portion of the main information.</u>

2. (Currently Amended) The information processing apparatus according to claim 1, wherein said generator is further ~~operable~~ <u>configured</u> to generate information on validity of said copy permission information based upon whether said apparatus that recorded said main information recognized and processed said ~~first~~ copy control information.

3. (Previously Presented) The information processing apparatus according to claim 1 wherein:

said main information is a transport stream; and

said auxiliary information is information indicating a mode in which said main information is encoded.

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4. (Currently Amended) The information processing apparatus according to claim 3, wherein said copy permission information is ~~added to said main information~~ recorded by said ~~adder~~ recorder in a header for each transport packet of said transport stream.

5. (Previously Presented) The information processing apparatus according to claim 1 wherein:

said input information is received through an IEEE1394 digital interface; and

said auxiliary information is an Encryption Mode Indicator (EMI).

6-7. (Cancelled)

8. (Currently Amended) An information processing method for outputting information, said method comprising ~~the steps of~~:

extracting main information including copy control information and extracting auxiliary information representing attributes of said main information from input information;

generating copy permission information based on said extracted auxiliary information ~~if an apparatus that recorded said main information did not recognize and process said copy control information~~; and

~~adding said generated copy permission information to said extracted main information~~ recording the main information, and recording the copy permission information generated in the generating step in at least one header adjacent to a corresponding portion of the main information.

9-14. (Cancelled)

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15. (Currently Amended) The information processing apparatus of claim 1, further comprising:

a splitter ~~operable~~ <u>configured</u> to split the input information into a plurality of isochronous packets, each having an Encryption Mode Indicator (EMI) associated therewith; and

an analyzing circuit ~~operable~~ <u>configured</u> to select a strongest copy restriction mode from among the EMIs associated with the plurality of isochronous packets at a value representative of the input information.

16. (Currently Amended) The information processing apparatus of claim 15, ~~further comprising an EMI-CPI encoder operable~~ <u>wherein the generator is configured</u> to generate a Copy Permission Indicator (CPI) corresponding to the EMI having the strongest copy restriction mode.

17. (Presently Presented) The information processing method according to claim 8 further comprising the step of generating information on validity of said copy permission information based upon whether said apparatus that recorded said main information recognized and processed said first copy control information.

18. (Previously Presented) The information processing method according to claim 8 wherein:

said main information is a transport stream; and

said auxiliary information is information indicating a mode in which said main information is encoded.

19. (Currently Amended) The information processing method according to claim 8, wherein said copy permission information is <u>recorded</u> ~~added to said main information by said~~ ~~adder~~ <u>in a header</u> for each transport packet of said transport stream.

20. (Previously Presented) The information processing method according to claim 8 wherein:

said input information is received through an IEEE1394 digital interface; and

said auxiliary information is an Encryption Mode Indicator (EMI).

21. (Previously Presented) The information processing method of claim 8, further comprising the steps of:

splitting the input information into a plurality of isochronous packets, each having an Encryption Mode Indicator (EMI) associated therewith; and

selecting a strongest copy restriction mode from among the EMIs associated with the plurality of isochronous packets at a value representative of the input information.

22. (Currently Amended) The information processing method of claim 21, ~~further~~ ~~comprising the step of~~ <u>wherein the generating step comprises</u> generating a Copy Permission Indicator (CPI) corresponding to the EMI having the strongest copy restriction mode.

23-28. (Cancelled)

29. (Currently Amended) An information processing apparatus, comprising:

an extractor ~~operable~~ <u>configured</u> to extract main information including copy control

information and <u>to extract</u> auxiliary information representing attributes of said main

information from input information;

an analyzing circuit ~~operable~~ <u>configured</u> to analyze said copy control information;

an encoder ~~operable~~ <u>configured</u> to convert said copy control information into new

copy control information when it is determined that said copy control information is valid;

a generator ~~operable~~ <u>configured</u> to generate copy permission information based on

said extracted auxiliary information ~~if an apparatus that recorded said main information did~~

~~not recognize and process said copy control information~~; and

~~an adder operable to add said copy permission information generated by said~~

~~generation and said new copy control information to said main information extracted by said~~

~~extractor~~ <u>a recorder configured to record the main information and said new copy control</u>

<u>information, and to record the copy permission information generated by the generator in at</u>

<u>least one header adjacent to a corresponding portion of the main information.</u>

30. (Currently Amended) The information processing apparatus according to claim

29<u>,</u> wherein said generator is further ~~operable~~ <u>configured</u> to generate said new copy control

information when it is determined that said copy control information is invalid.

31. (Currently Amended) The information processing apparatus according to claim

30, wherein it is determined whether said copy control information is valid based upon

whether ~~said~~ <u>an</u> apparatus that recorded said main information recognized and processed said

first copy control information.

32. (Previously Presented) The information processing apparatus according to claim 29 wherein:

said main information is a transport stream; and

said auxiliary information is information indicating a mode in which said main information is encoded.

33. (Currently Amended) The information processing apparatus according to claim 32, wherein said copy permission information is ~~added to said main information~~ recorded by said ~~adder~~ recorder in a header for each transport packet of said transport stream.

34. (Previously Presented) The information processing apparatus according to claim 29 wherein:

said input information is received through an IEEE1394 digital interface; and

said auxiliary information is an Encryption Mode Indicator (EMI).

35. (Currently Amended) An information processing method for outputting information, said method comprising ~~the steps of~~:

extracting main information including copy control information and extracting auxiliary information representing attributes of said main information from input information;

analyzing said copy control information;

converting said copy control information into new copy control information when it is determined that said copy control information is valid;

generating copy permission information based on said extracted auxiliary information ~~if an apparatus that recorded said main information did not recognize and process said copy control information~~; and

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~~adding said generated copy permission information and said new copy control~~

~~information to said extracted main information~~ recording the main information and said new

copy control information, and recording the copy permission information generated in the

generating step in at least one header adjacent to a corresponding portion of the main

information.

36. (Previously Presented) The information processing method of claim 35, further

comprising:

splitting the input information into a plurality of isochronous packets, each having an

Encryption Mode Indicator (EMI) associated therewith; and

selecting a strongest copy restriction mode from among the EMIs associated with the

plurality of isochronous packets at a value representative of the input information.

37. (Currently Amended) The information processing method of claim 36, wherein

~~an EMI-CPI encoder generates~~ the generating step comprises generating a Copy Permission

Indicator (CPI) corresponding to the EMI having the strongest copy restriction mode.

38. (Currently Amended) The information processing method according to claim 36,

further comprising the step of generating information on validity of said copy permission

information based upon whether ~~said~~ an apparatus that recorded said main information

recognized and processed said first copy control information.

39. (Previously Presented) The information processing method according to claim

36, wherein:

said main information is a transport stream; and

said auxiliary information is information indicating a mode in which said main

information is encoded.

40. (Currently Amended) The information processing method according to claim 36,

wherein said copy permission information is ~~added to said main information by said adder~~

<u>recorded in a header</u> for each transport packet of said transport stream.

41. (Previously Presented) The information processing method according to claim

36, wherein:

said input information is received through an IEEE1394 digital interface; and

said auxiliary information is an Encryption Mode Indicator (EMI).

42. (Previously Presented) The information processing method of claim 36, further

comprising the steps of:

splitting the input information into a plurality of isochronous packets, each having an

Encryption Mode Indicator (EMI) associated therewith; and

selecting a strongest copy restriction mode from among the EMIs associated with the

plurality of isochronous packets at a value representative of the input information.

43. (Currently Amended) The information processing method of claim 42, <u>wherein</u>

<u>the generating step comprises</u> ~~further comprising the step of~~ generating a Copy Permission

Indicator (CPI) corresponding to the EMI having the strongest copy restriction mode.

44-49. (Cancelled)

50. (Currently Amended) An information processing apparatus, comprising:

an extractor ~~operable~~ <u>configured</u> to extract main information including copy control

information and <u>to extract</u> auxiliary information representing attributes of said main

information from input information;

a first generator ~~operable~~ <u>configured</u> to generate copy permission information and a

second generator ~~operable~~ <u>configured</u> to generate copy control information based on said

extracted auxiliary information ~~if an apparatus that recorded said main information did not~~

~~recognize and process said copy control information~~; and

<u>a recorder configured to record the main information and said copy control</u>

<u>information, and to record the copy permission information generated by the generator in at</u>

<u>least one header adjacent to a corresponding portion of the main information.</u>

51. (Currently Amended) The information processing apparatus according to claim

50, wherein said second generator is further ~~operable~~ <u>configured</u> to generate said copy control

information when it is determined that said copy control information is invalid.

52. (Currently Amended) The information processing apparatus according to claim

51, wherein it is determined whether said copy control information is valid based upon

whether ~~said~~ <u>an</u> apparatus that recorded said main information recognized and processed said

first copy control information.

53. (Previously Presented) The information processing apparatus according to claim

50, wherein:

said main information is a transport stream; and

said auxiliary information is information indicating a mode in which said main

information is encoded.

54. (Currently Amended) The information processing apparatus according to claim

53, wherein said copy permission information and said copy control information are <u>recorded</u>

~~added to said main information~~ by said ~~adder~~ <u>recorder in a header</u> for each transport packet of

said transport stream.

55. (Previously Presented) The information processing apparatus according to claim

50, wherein:

said input information is received through an IEEE1394 digital interface; and said

auxiliary information is an Encryption Mode Indicator (EMI).

56. (Currently Amended): An information processing method for outputting

information, said method comprising ~~the steps of~~:

extracting main information including copy control information and <u>extracting</u>

auxiliary information representing attributes of said main information from input information;

generating copy permission information and copy control information based on said

extracted auxiliary information ~~if an apparatus that recorded said main information did not~~

~~recognize and process said copy control information~~; and

~~adding said generated copy permission information and said copy control information~~

~~to said extracted main information~~ <u>recording the main information and said copy control</u>

<u>information, and recording the copy permission information generated in the generating step</u>

<u>in at least one header adjacent to a corresponding portion of the main information.</u>

57. (Previously Presented) The information processing method of claim 56, further comprising the steps of:

splitting the input information into a plurality of isochronous packets, each having an Encryption Mode Indicator (EMI) associated therewith; and

selecting a strongest copy restriction mode from among the EMIs associated with the plurality of isochronous packets at a value representative of the input information.

58. (Currently Amended) The information processing apparatus of claim 56, wherein the generating step comprises generating ~~an EMI-CPI encoder generates~~ a Copy Permission Indicator (CPI) corresponding to the EMI having the strongest copy restriction mode.

59. (Currently Amended) The information processing method according to claim 56, further comprising the step of generating information on validity of said copy permission information based upon whether ~~said~~ an apparatus that recorded said main information recognized and processed said first copy control information.

60. (Previously Presented) The information processing method according to claim 56, wherein:

said main information is a transport stream; and

said auxiliary information is information indicating a mode in which said main information is encoded.

61. (Currently Amended) The information processing method according to claim 56, wherein said copy permission information and said copy control information is ~~added to said~~

~~main information by said adder~~ <u>recorded in a header</u> for each transport packet of said

transport stream.

62. (Previously Presented) The information processing method according to claim

56, wherein:

said input information is received through an IEEE1394 digital interface; and

said auxiliary information is an Encryption Mode Indicator (EMI).

63. (Previously Presented) The information processing method of claim 56, further

comprising the steps of:

splitting the input information into a plurality of isochronous packets, each having an

Encryption Mode Indicator (EMI) associated therewith; and

selecting a strongest copy restriction mode from among the EMIs associated with the

plurality of isochronous packets at a value representative of the input information.

64. (Currently Amended) The information processing method of claim 63, <u>wherein</u>

<u>the generating step comprises</u> ~~further comprising the step of~~ generating a Copy Permission

Indicator (CPI) and copy control information corresponding to the EMI having the strongest

copy restriction mode.